

In the Specification

Please replace the pharagraph beginning on page 17, line 14, with the following:

Thus, as can be seen from **FIG. 8**, three difference low pass filters are required for ensuring that the frequency of the position trajectory, velocity trajectory and feed forward control signals are the same. These low pass filters represent a source of delay in the control of the plant 870. The present invention eliminates the delay associated ~~wit~~with these low pass filters.